



SECTOR

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ariel Ben-PORATH, et al

Assignee: APPLIED MATERIALS, INC.

Title: AUTOMATIC DEFECT CLASSIFICATION WITH INVARIANT CORE CLASSES

Serial No.: 09/111,454

Filed: 08JL1998

Group Art Unit: 2721

Attorney Docket No.: 002735/PDC/JB

Examiner: Unknown

Santa Clara, California  
August 13, 1998

COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

Attention: Manager

Applications Division

RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF APPLICATION - FILING DATE GRANTED

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date Granted mailed by the United States Patent and Trademark Office on August 6, 1998, the following documents are enclosed to complete the filing of the above-identified patent application:

1. A combined declaration and power of attorney signed by the inventor(s) in compliance with 37 CFR 1.63 (4 pages);
2. An assignment executed by the inventor(s) (2 pages);
3. Assignment Recordation Form Cover Sheet (1 page)
4. A copy of the Notice to File Missing Parts of Application - Filing Date Granted

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit Account 01-1651:

1. Late filing of original declaration or oath (37 CFR 1.16(e)) - \$130.00
2. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 01-1651.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of 08JL1998. Please telephone the undersigned at (408) 563-4219, if there are any questions regarding this matter.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on August 14, 1998

Barbara Holt

Barbara Holt

Respectfully submitted,

Joseph Bach

Joseph Bach

Registration No. 37,771



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
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022/111-454 07/08/98 BEN FORATH

49959-013

0222/0806

APPLIED MATERIAL INC  
LEGAL AFFAIRS DEPARTMENT  
P O BOX 450A  
SANTA CLARA CA 95054

NOT ASSIGNED

DATE MAILED: 2721

08/06/98

### NOTICE TO FILE MISSING PARTS OF APPLICATION Filing Date Granted

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of \$65.00 for a small entity in compliance with 37 CFR 1.27, or ☒ \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a  
☐ small entity (statement filed) ☒ non-small entity is \$ 130

- ☒ 1. The statutory basic filing fee is:  
☐ missing  
☐ insufficient

Applicant must submit \$ \_\_\_\_\_ to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27)

- ☐ 2. Additional claim fees of \$ \_\_\_\_\_ including any multiple dependent claim fees, are required.  
\$ \_\_\_\_\_ for \_\_\_\_\_ independent claims over 3.  
\$ \_\_\_\_\_ for \_\_\_\_\_ dependent claims over 20.  
\$ \_\_\_\_\_ for multiple dependent claim surcharge.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

- ☒ 3. The oath or declaration:  
☒ is missing or unexecuted.  
☐ does not cover the newly submitted items.  
☐ does not identify the application to which it applies.  
☐ does not include the city and state or foreign country of applicant's residence.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

- ☐ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.  
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

- ☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

08/20/1998 KOUNCH, MICHAEL A. 1150 1150 1150  
An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

01. FC 105 130.00 CH  
A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

- ☐ 7. Your filing receipt was mailed in error because your check was returned without payment.  
☐ 8. The application does not comply with the Sequence Rules.  
(See attached Notice to Comply with Sequence Rules 37 CFR 1.821-1.825.)

- ☐ 9. OTHER

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

**A copy of this notice MUST be returned with the reply.**

Customer Service Center  
Initial Patent Examination Division (203) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

PTO-1533 (REV. 9-97)